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**From:** Johnson, KarenD  
**To:** McFadden, Angela  
**Sent:** 3/4/2013 8:26:43 AM  
**Subject:** RE: additional information from PADEP regarding recent gas migration investigation

Thanks ! No I hadn't seen the problem well(s) identified. Thanks for passing this on.

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**From:** McFadden, Angela  
**Sent:** Thursday, February 28, 2013 5:49 PM  
**To:** Johnson, KarenD; Richard Fetzer  
**Subject:** additional information from PADEP regarding recent gas migration investigation

You all probably know all this but figured I'd sent it just in case.

Thanks,

Angela

**Cabot Gas Migration Investigation, Dimock Township, Susquehanna County:** The Eastern Oil and Gas District continues to investigate a new gas migration incident located within the 9 square mile "box" covered by the earlier Cabot Consent Orders. A water supply complaint related to turbidity was received on February 2, 2013 from the [Redacted] residence. Elevated dissolved methane and gas in the headspace of the water well were documented by both the Department and Cabot. The [Redacted] residence was not covered by the previous COA, but the Department does have historical sampling data from the water supply showing previous methane levels were all less than 1 mg/L in at least 4 sampling events; initial sampling in response to this new complaint indicated levels of approximately 17 mg/L. The Department requested that Cabot conduct a gas migration investigation as required by 78.89. Through that screening process, Cabot identified the [Redacted] water supply as also having elevated dissolved methane and combustible gas in the headspace of the water well compared to previous results. This water supply was covered by the previous COA. One other water supply complaint has been received. That complaint is currently related to turbidity only, and combustible gas has not been detected. Cabot's closest gas wells are the [Redacted] wells. The [Redacted] were fraced in November 2012. However, the [Redacted] is currently the primary well of interest due to the discovery of a closed vent during the initiation of this investigation, and historical remedial work done on the well. A packer test was conducted on the well over the weekend. Department staff have requested additional logging of the [Redacted] which was started on February 19, but stopped due to equipment problems. Program staff will continue to collect data and evaluate the affected water supplies and nearby gas wells.

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